

Realex, Division of United Industries Corp.
P.O. Box 142642, St. Louis, MO 63114-0642

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

Hazardous Material Identification System-(HMIS)

HEALTH - 2

REACTIVITY - 0

FLAMMABILITY - 1

PERSONAL - None

I Trade Name: Real Kill® Malathion Insect Killer Spray Concentrate

Product Type: Liquid Hose-End Concentrate Insecticide

Product Item Number: 10046

Formula Code Number: 21-0283

EPA Registration Number

Manufacturer

Emergency Telephone No.

46515-19-478

Chemsico
8494 Chapin Industrial Dr.
St. Louis, MO 63114

For Chemical Emergency: 1-800-633-2873
For Information: 1-800-897-8524
Prepared by: C.A. Duckworth
Date Prepared: August 27, 2001

II Hazardous Ingredients/Identity Information

Chemical	%	OSHA PEL	ACGIH TLV
Malathion CAS #121-75-5	50.0	15 mg/m ³ (skin)	10 mg/m ³ (skin)

III Physical and Chemical Characteristics

Appearance and Odor: Clear yellow liquid. Malathion odor.
Boiling Point: NA
Melting Point: NA
Vapor Pressure: NA
Specific Gravity: 1.03 (H₂O=1)
Vapor Density: greater than 1 (Air=1)
% Volatile (by vol.): 45%
Solubility in Water: emulsifies in water
Evaporation Rate: less than 1 (Butyl Acetate=1)

IV Fire and Explosion Hazard Data

Flash Point: 102°F
Flame Extension: N/A
Flammable Limits: N/A
Autoignition Temp.: N/A
Fire Extinguishing Media: Water Fog, Carbon Dioxide, Dry Chemical
Decomposition Temp.: N/A
Special Fire-Fighting Procedures: Keep containers cool to avoid explosive ignition. Use self-contained breathing apparatus in enclosed areas. Avoid heavy hose streams. Fight fire upwind, Dike area to prevent water runoff.
Unusual Fire and Explosion Hazards: Combustible liquid. Vapors and fumes may be hazardous. May give off phosphorous trioxide and sulfates on combustion. Also see Section V.

V Reactivity Data

Stability: Stable
Polymerization: Will not occur
Conditions to Avoid: None.
Incompatible Materials: N/A
Hazardous Decomposition or Byproducts: Carbon dioxide, carbon monoxide, phosphorous trioxide, malaoxon.

VI Health Hazard Data

Ingestion (Swallowing): Harmful if swallowed. **First Aid:** Do not induce vomiting. Get medical attention.
Skin Contact: Harmful if absorbed through skin. **First Aid:** Flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
Eye Contact: Causes eye irritation. **First Aid:** Flush eyes with plenty of water for at least 15 minutes. Call a physician.
Inhalation Toxicity: Harmful if inhaled. **First Aid:** Remove to fresh air.
Special Notes: This product contains a cholinesterase inhibitor. Atropine is antidotal. 2-PAM may also be given in conjunction with Atropine.
Health Conditions Aggravated by Exposure: None known
Ingredients listed by NTP, OSHA or IARC as Carcinogens or potential carcinogens: None

VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Avoid breathing vapors. Remove ignition sources. Avoid skin contact with liquid. Soak up with absorbent material.
Waste Disposal: Give to qualified waste disposal service.
Handling & Storage Precautions: Do not store where temperatures can exceed 54°C/130°F.

VIII Control Measures

Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.

IX Transportation Data

DOT Shipping Name - Not Regulated by DOT
DOT Hazard Class - None

The information and statements herein are believed to be reliable but are not to be construed as warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.